

FORM PTO-1449 (REV. 7-80)		ATTY. DOCKET NO. 1440.1088-005	SERIAL NO. Not Assigned
INFORMATION DISCLOSURE CITATION IN AN APPLICATION December 5, 2001 (Use several sheets if necessary)		APPLICANT Tony Fleming et al.	
		FILING DATE December 5, 2001	GROUP Not Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
NSB	AR	Jouvin, M-H.E., et al., "Differential Control of the Tyrosine Kinases Lyn and Syk by the Two Signaling Chains of the High Affinity Immunoglobulin E Receptor", <i>The Journal of Biological Chemistry</i> , 269(8):5918-5925 (1994)	
	AS	Penhallow, R.C., et al., "Temporal Activation of Nontransmembrane Protein-Tyrosine Kinases Following Mast Cell FcεRI Engagement", <i>The Journal of Biological Chemistry</i> , 270(40):23362-23365 (1995)	
	AT	Scharenberg, A.M., et al., "Reconstitution of Interactions Between Tyrosine Kinases and the High Affinity IgE Receptor Which Are Controlled by Receptor Clustering", <i>The EMBO Journal</i> , 14(14):3385-3394 (1995)	
	AU	Lin, S., et al., "The FcεRIβ Subunit Functions as an Amplifier of FcεRIγ-Mediated Cell Activation Signals", <i>Cell</i> , 85:985-995 (1996)	
	AV	Paul, W.E., et al., "Lymphokine and Cytokine Production by FcεRI+ Cells", <i>Advances in Immunology</i> , 53:1-29 (1993)	
	AW	Scharenberg, A.M. and Kinet, J-P., "Early Events in Mast Cell Signal Transduction", <i>Chem. Immunol.</i> , 61:72-87 (1995)	
	AX	Ravetch, J.V. and Kinet, J-P., "Fc Receptors", <i>Annu. Rev. Immunol.</i> , 9:457-492 (1991)	
	AY	Shaw, A.S., et al., "Interactions of TCR Tyrosine Based Activation Motifs with Tyrosine Kinases", <i>Immunology</i> , 7:13-20 (1995)	
	AZ	Choi, O.H., et al., "Calcium Mobilization via Sphingosine Kinase in Signalling by the FcεRI Antigen Receptor", <i>Nature</i> , 380:634-636 (1996)	
	AR2	Guthmann, M.D., et al., "A Secretion Inhibitory Signal Transduction Molecule on Mast Cells is Another C-Type Lectin", <i>Proc. Natl. Acad. Sci.</i> , 92:9397-9401 (1995)	
	AS2	Katz, H.R., et al., "Mouse Mast Cell gp49B1 Contains Two Immunoreceptor Tyrosine-Based Inhibition Motifs and Suppresses Mast Cell Activation When Coligated with the High-Affinity Fc Receptor for IgE", <i>Proc. Natl. Acad. Sci.</i> , 93:10809-10814 (1996)	
	AT2	Wright, M.D. and Tomlinson, M.G., "The Ins and Outs of the Transmembrane 4 Superfamily", <i>Immunology Today</i> , 15(12):588-594 (1994)	
	AU2	Fearon, D.T. and Carter, R.H., "The CD19/CR2/TAPA-1 Complex of B Lymphocytes: Linking Natural to Acquired Immunity", <i>Annu Rev. Immunol.</i> 13:127-149 (1995)	
	AV2	Secrist, H., et al., "Ligation of TAPA-1 (CD81) or Major Histocompatibility Complex Class II in Co-Cultures of Human B and T Lymphocytes Enhances Interleukin-4 Synthesis by Antigen-Specific CD4+ T Cells", <i>Eur. J. Immunol.</i> , 26:1435-1442 (1996)	
✓	AW2	Todd, S.C., et al., "CD81 Expressed on Human Thymocytes Mediates Integrin Activation and Interleukin 2-Dependent Proliferation", <i>J. Exp. Med.</i> , 184:2055-2060 (1996)	
EXAMINER Nirmal S Ban		DATE CONSIDERED 1/23/05	

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MS	AX2	Oren, R., et al., "TAPA-1, the Target of an Antiproliferative Antibody, Defines a New Family of Transmembrane Proteins", <i>Molecular and Cellular Biology</i> , 10(8):4007-4015 (1990)	
	AY2	Boismenu, R., et al., "A Role for CD81 in Early T Cell Development", <i>Science</i> , 271:198-200 (1996)	
	AZ2	Imai, T., et al., "Molecular Analyses of the Association of CD4 with Two Members of the Transmembrane 4 Superfamily, CD81 and CD82", <i>The Journal of Immunology</i> , 155:1229-1239 (1995)	
	AR3	Angelisová, P., et al., "Association of Four Antigens of the Tetraspans Family (CD37, CD53, TAPA-1 and R2/C33) with MHC Class II Glycoproteins", <i>Immunogenetics</i> , 39:249-256 (1994)	
	AS3	Mannion, B.A., et al., "Transmembrane-4 Superfamily Proteins CD81 (TAPA-1), CD82, CD63, and CD53 Specifically Associate with Integrin $\alpha\beta_1$ (CD49d/CD29)", <i>The Journal of Immunology</i> , 157:2039-2047 (1996)	
	AT3	Berditchevski, F., et al., "A Novel Link Between Integrins, Transmembrane-4 Superfamily Proteins (CD63 and CD81), and Phosphatidylinositol 4-Kinase", <i>The Journal of Biological Chemistry</i> , 272(5):2595-2598 (1997)	
	AU3	Ono, M., et al., "Role of the Inositol Phosphatase SHIP in Negative Regulation of The Immune System by the Receptor Fc γ RIIB", <i>Nature</i> , 383:263-266 (1996)	
	AV3	Burshtyn, D.N., et al., "Recruitment of Tyrosine Phosphatase HCP by the Killer Cell Inhibitory Receptor", <i>Immunity</i> , 4:77-85 (1996)	
	AW3	Galli, S.J., "New Concepts About the Mast Cell", <i>The New England Journal of Medicine</i> , 328(4):257-265 (1993)	
	AX3	Maecker, H.T. and Levy, S., "Normal Lymphocyte Development but Delayed Humoral Immune Response in CD81-null Mice", <i>J. Exp. Med.</i> , 185(8):1505-1510 (1997)	
	AY3	Miyazaki, T., et al., "Normal Development But Differentially Altered Proliferative Responses of Lymphocytes in Mice Lacking CD81", <i>EMBO J.</i> , 16(14):4217-4225 (1997)	
	AZ3	Tsitsikov, E.N., et al., "Impaired CD19 Expression and Signaling, Enhanced Antibody Response to Type II T Independent Antigen and Reduction of B-1 Cells in CD81-Deficient Mice", <i>Proc. Natl. Acad. Sci., USA</i> , 94:10844-10849 (1997)	
	AR4	Andria, M. L., et al., "Genomic Organization and Chromosomal Localization of the TAPA-1 Gene", <i>The Journal of Immunology</i> , 147(3):1030-1036 (1991)	
	AS4	Levy, Shoshana, et al., "Structure and Membrane Topology of TAPA-1", <i>The Journal of Biological Chemistry</i> , 266(22):14597-14602 (1991)	
	AT4	Benhamou, M., et al., "Protein Tyrosine Kinases in Activation Signal of Human Basophils Through the Immunoglobulin E Receptor Type I", <i>Journal of Leukocyte Biology</i> , 59:461-470 (1996)	
✓	AU4	Fleming, Tony J., et al., "Negative Regulation of Fc ϵ RI-mediated Degranulation by CD81", <i>J. Exp. Med.</i> , 186(8):1307-1314 (1997)	
EXAMINER Nirmal S. Ban		DATE CONSIDERED 1/25/05	

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.
1440.1088-005

APPLICATION NO.
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**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

FIRST NAMED INVENTOR
Tony Fleming

FILING DATE
12/05/2001

(DATE)

EXAMINER
Nirmal S. Basi

CONFIRMATION NO.
8389

**GROUP
1646**

(Use several sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AV4

Maecker, H. T., *et al.*, "CD81 on B Cells Promotes Interleukin 4 Secretion and Antibody Production During T Helper Type 2 Immune Responses," *Proc. Natl. Acad. Sci. USA*, 95:2458-2462 (1998).

AW4

Maurer, D., *et al.*, "Peripheral Blood Dendritic Cells Express FcεRI as a Complex Composed of FcεRIα- and FcεRIγ-Chains and Can Use This Receptor for IgE-Mediated Allergen Presentation," *J. Immunol.*, 607-616 (1996).

AX4

Pileri, P., *et al.*, "Binding of Hepatitis C. Virus to CD81," *Science* (282):938-941 (1998).

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DATE CONSIDERED